

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A service processing system providing a service of performing a predetermined series of processes on document data through cooperation among the processes over a network comprising:

a control device;

a storage device, provided in a control device, that stores a work flow of the predetermined series of processes;

an acquisition device that acquires document data on a page basis;

a decoding device that decodes the acquired document data on a page basis;

a controller provided in the control device that determines whether an acquisition error indicating failure in acquiring the document data occurs and whether a decode error indicating failure in decoding the acquired document data occurs, and executes a recovery process to eliminate the acquisition error when the acquisition error occurs and the decode error when the decode error occurs;

a rule management unit that dynamically creates and ~~manages-modifies~~ rules relating to errors occurring in processing tasks for the predetermined series of processes on document data, the rules being dynamically created based upon capturing destinations, processing methods, and distribution destinations for the service processing system; and

a recovery unit that performs recovery processing on the document data based upon the particular rule managed by the rule management unit,

wherein, in the recovery process, the controller requests to resend a page of the document data in which the acquisition error occurs and controls reexecution of a decoding process of a page of the document data in which the decode error occurs.

2. (Previously Presented) The service processing system according to claim 1, wherein the controller temporarily halts the predetermined processes when the acquisition error or the decode error occurs, executes the recovery process, and clears the halt after the execution of the recovery process.

3. (Previously Presented) The service processing system according to claim 1, wherein the controller continues execution of the predetermined processes on document data except for the process of the page of the document data in which the acquisition error or the decode error occurs, and performs the execution of the recovery process separately from the continued processes of the predetermined processes.

4. (Currently Amended) A service processing device in a service processing system providing a service of performing a predetermined series of processes on document data through cooperation among the processes over a network comprising:

an acquisition unit that acquires document data on a page basis;

a decoder that decodes the acquired document data on a page basis;

a controller that determines whether an acquisition error indicating failure in acquiring the document data occurs and whether a decode error indicating failure in decoding the acquired document data occurs, and executes a recovery process to eliminate the acquisition error when the acquisition error occurs and the decode error when the decode error occurs;

a rule management unit that dynamically creates and ~~manages-modifies~~ rules relating to errors occurring in processing tasks for the predetermined series of processes on document data, the rules being dynamically created based upon capturing destinations, processing methods, and distribution destinations for the service processing system; and

a recovery unit that performs recovery processing on the document data based upon the particular rule managed by the rule management unit,

wherein, in the recovery process, the controller requests to resend a page of the document data in which the acquisition error occurs and controls reexecution of a decoding process of a page of the document data in which the decode error occurs.

5. (Previously Presented) The service processing device according to claim 4, wherein the controller temporarily halts the predetermined processes when the acquisition error or the decode error occurs, executes the recovery process, and clears the halt after the execution of the recovery process.

6. (Previously Presented) The service processing device according to claim 4, wherein the controller continues execution of the predetermined processes on document data except for the process of the page of the document data in which the acquisition error or the decode error occurs, and performs the execution of the recovery process separately from the continued processes of the predetermined processes.

7. (Previously Presented) The service processing device according to claim 4, wherein the acquisition error is a communication error during FAX receive.

8-15. (Canceled)

16. (Currently Amended) A service processing method of providing a service of performing a predetermined series of processes on document data through cooperation among the processes over a network, comprising:

acquiring document data on a page basis;

decoding the acquired document data on a page basis;

determining whether an acquisition error indicating failure in acquiring the document data occurs and whether a decode error indicating failure in decoding the acquired document data occurs;

executing a recovery process to eliminate the acquisition error when the acquisition error occurs and the decode error when the decode error occurs;

dynamically creating and ~~managing-modifying~~ rules relating to errors occurring in processing tasks for the predetermined series of processes on document data, the rules being dynamically created based upon capturing destinations, processing methods, and distribution destinations for the service processing method; and

performing recovery processing on the document data based upon the rules relating to processing tasks for the predetermined series of processes on document data,

wherein, in the recovery process, resending a page of the document data in which the acquisition error occurs is requested and reexecution of a decoding process of a page of the document data in which the decode error occurs is performed, occurs.

17. (Previously Presented) The service processing method according to claim 16, further comprising:

temporarily halting the predetermined processes when the acquisition error or the decode error occurs;

executing the recovery process; and

clearing the halt after the execution of the recovery process.

18. (Previously Presented) The service processing method according to claim 16, further comprising:

continuing execution of the predetermined processes on document data except for the process of the page of the document data in which the acquisition error or the decode error occurs; and

performing the execution of the recovery process separately from the continued processes of the predetermined processes.

19. (Previously Presented) The service processing method according to claim 16, wherein the acquisition error is a communication error during FAX receive.

20. (Previously Presented) The service processing system according to claim 1, wherein the predetermined series of processes originate from a plurality of multi-function devices and include at least a document capturing process, a document processing process, and a document distribution process,

wherein each of the multi-function devices provide at least one of an input plug-in function, a processing plug-in function and an output plug-in function, and

wherein the control device automates and routinizes the predetermined series of processes.

21. (Previously Presented) The service processing device according to claim 4,

wherein the predetermined series of processes originate from a plurality of multi-function devices and include at least a document capturing process, a document processing process, and a document distribution process,

wherein each of the multi-function devices provide at least one of an input plug-in function, a processing plug-in function and an output plug-in function, and

wherein the controller automates and routinizes the predetermined series of processes.

22. (Previously Presented) The service processing method according to claim 16,

wherein the predetermined series of processes originate from a plurality of multi-function devices and include at least a document capturing process, a document processing process, and a document distribution process,

wherein each of the multi-function devices provide at least one of an input plug-in function, a processing plug-in function and an output plug-in function, and

wherein a controller automates and routinizes the predetermined series of processes.

23. (Currently Amended) A service processing system which processes on a network in association with a service, the service performing a series of a plurality of processes, in a predefined order, with respect to document data, the system comprising:

a control means which performs control such that when there is an error with respect to processing of the document data during execution of the series of the plurality of processes, the control means executes the processes following the process in which there was the error by using a process different from the processes after the process in which there was the error and executes the processes with respect to portions of the document data other than a location in which there was the error, the control means then re-executes the processing of the portion of the document data at the location in which the error occurred.~~the processes following the process in which there was an error among the series of the plurality of processes are performed with respect to portions of the document data other than a location in which there was the error, and by a process different from the processes after the process in which there was the error, the processing of the portion of the document data at the location, in which there was an error, is re-executed in the location in which the error occurred.~~

24. (Previously Presented) The service processing system as set forth in claim 23, wherein when the control means performs the control so as to cause the re-execution, the control means performs control so as to execute the processes following the process in which there was the error among the series of the plurality of processes, with

respect to the portion of the location in which there was the error, by using different processes.

25. (Currently Amended) A service processing device which processes on a network in association with a service, the service performing a series of a plurality of processes, in a predefined order, with respect to document data, the device comprising:

a control unit which performs control such that when there is an error with respect to processing of the document data during execution of the series of the plurality of processes, the control unit executes the processes following the process in which there was the error by using a process different from the processes after the process in which there was the error and executes the processes with respect to portions of the document data other than a location in which there was the error, the control unit then re-executes the processing of the portion of the document data at the location in which the error occurred.~~the processes following the process in which there was an error among the series of the plurality of processes are performed with respect to portions of the document data other than a location in which there was the error, and by a process different from the processes after the process in which there was the error, the processing of the portion of the document data at the location, in which there was an error, is re-executed in the location in which the error occurred.~~

26. (Previously Presented) The service processing device as set forth in claim 25, wherein when the control unit performs the control so as to cause the re-execution, the control unit performs control so as to execute the process following the process in which there was the error among the series of the plurality of processes, with respect to the portion of the location in which there was the error, by using different processes.

27. (Currently Amended) A service processing method which processes on a network in association with a service, the service performing a series of a plurality of processes, in a predefined order, with respect to document data, the method comprising:

performing control such that when there is an error with respect to processing of the document data during execution of the series of the plurality of processes, the processes following the process in which there was the error are executed by using a process different from the processes after the process in which there was the error and executed with respect to portions of the document data other than a location in which there was the error;~~the processes following the process in which there was an error among the series of the plurality of processes are performed with respect to portions of the document data other than a location in which there was the error, and by a process different from the processes after the process in which there was the error; and~~

re-executing the processing of the portion of the document data at the location in which the error occurred.

28. (Previously Presented) The service processing method as set forth in claim 27, wherein when performing control so as to cause the re-execution, the performing control executes the processes following the process in which there was the error among the series of the plurality of processes, with respect to the portion of the location in which there was the error, by using different processes.

29. (New) The service processing system according to claim 1, further comprising:

a rule check unit that checks the dynamically created rules for validity.